



# INSTRUCTIONS

-J02619

REV. 2005-10-26

## SECURITY SYSTEM PAGER KIT

### GENERAL

#### Kit Number

91664-03

#### Models

This kit fits all 2002 and later VRSC models equipped with a Harley-Davidson® Factory Security System.

This kit is designed to operate with the Smart Siren or as a silent pager only (without siren) system.

It is not designed to operate with the Smart Siren II.

#### Additional Parts Required

### ⚠ WARNING

The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)

### NOTE

This instruction sheet references Service Manual information. A Service Manual for your model motorcycle is required for this installation and is available from a Harley-Davidson Dealer.

### FCC Notice

This equipment has been tested and found to comply with part 95 of the FCC rules. Any adjustment that could result in a violation of these rules is recommended to be performed by or under the immediate supervision and responsibility of a person certified as technically qualified to perform transmitter maintenance and repair duties in the private land mobile services.

The replacement of any transmitter components (crystal, semiconductor, etc.) that could result in a violation of the rules is prohibited.

### Signal Range

### NOTE

Environmental and geographic conditions may affect signal range.

The average reception range is approximately 400 yards (365 meters). The actual reception range could be higher or lower depending on the location and/ or the presence of obstacles between the vehicle and the receiver. The reception range can also be affected by the presence of strong electromagnetic interference from outside sources.

The system is equipped with a range confirmation feature notifying the owner when the receiver is no longer in the reception range.

### Kit Contents

See Figure 13 and Table 1.

### INSTALLATION

1. Refer to the Owner's Manual and follow the instructions given to disarm the security system and open the seat.
2. Refer to MAXI-FUSE in the Service Manual, and follow the instructions given to remove the right-side cover and maxi-fuse.
3. Refer to AIRBOX AND AIR FILTER in the Service Manual, and follow the instructions given to remove the airbox cover. Remove the left-side cover.

### ⚠ WARNING

When servicing the fuel system, do not smoke or allow open flame or sparks in the vicinity. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00330a)

4. Remove the fuel cap and the fuel filler boot. Retain the boot for later installation. Re-install the fuel cap.

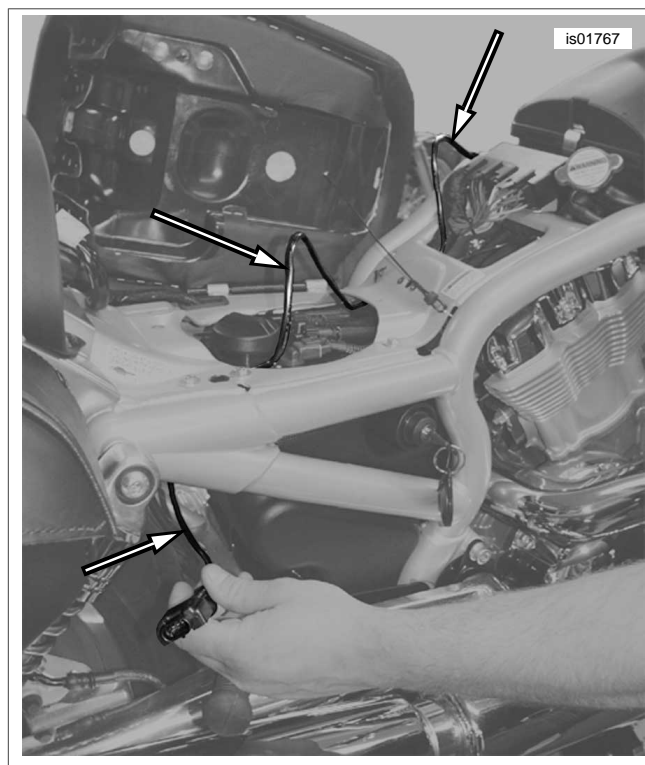
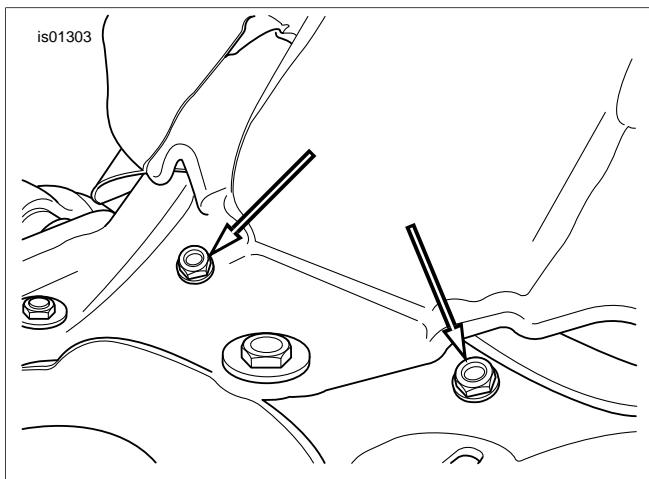


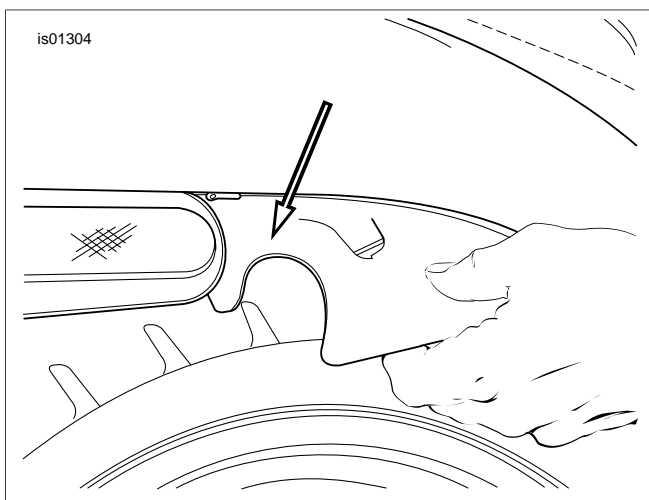
Figure 1. Install Pager Harness

5. See Figure 1. Working from below, route the long end of the pager harness with the single connector between the

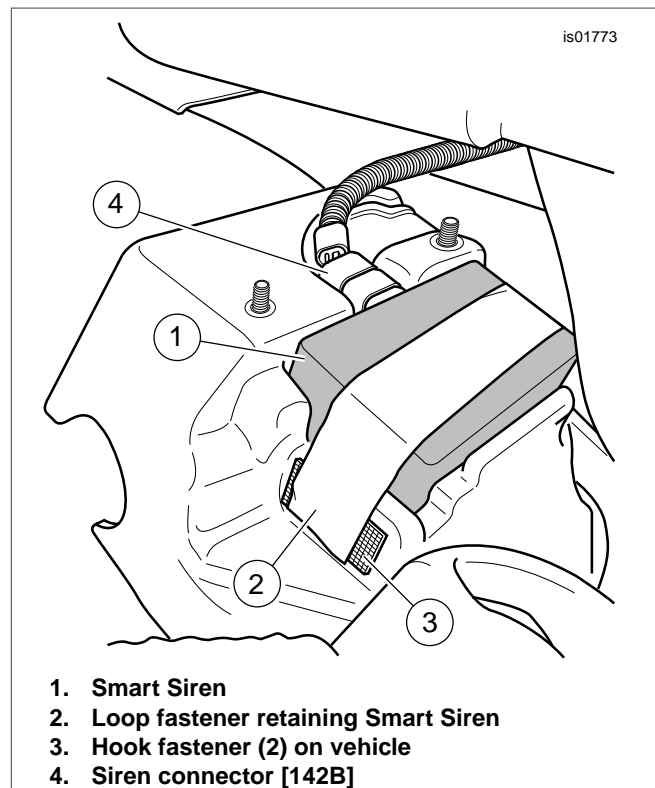
fuel tank and frame, and along the inside of the left frame tube.



**Figure 2. Remove Mud Flap Nuts (VRSCA/B/D Models)**



**Figure 3. Lower the Mud Flap (VRSCA/B/D Models)**



1. Smart Siren
2. Loop fastener retaining Smart Siren
3. Hook fastener (2) on vehicle
4. Siren connector [142B]

**Figure 4. Disconnect the Siren Harness (VRSCA/B/D Models)**

6. **If the pager is being used as a silent paging system only (no siren installed):** Bundle the pager harness using a cable strap, and secure the harness to the frame in an area away from moving parts. Proceed to Step 13.

**For VRSCA/B/D models, if the pager is being used together with a Smart Siren:**

- a. See Figure 2. Use a 10mm socket wrench to remove the splash guard (mud flap) nuts.
- b. See Figure 3. Lower the mud flap from the installed position, and allow it to rest on the rear tire.
- c. See Figure 4. Remove and retain the loop fastener (2) securing the Smart Siren (1) to the hook fasteners (3) on the mud flap.
- d. Disconnect siren harness connector [142B] (4) from the siren.

**For VRSCR models, if the pager is being used together with a Smart Siren:**

- a. See Figure 5. Remove the flanged hex nut (2) and flat washer (3) that retain the passenger pillion (1), and remove the pillion.
- b. See Figure 6. Remove the four hex head screws (2) and spacer washers (3) that retain the rear outer fender (1). Remove the fender by sliding back and lifting upward.
- c. See Figure 7. Unclip the Smart Siren (1) from the mud flap (3).
- d. Disconnect siren harness connector [142B] (4) from the siren.

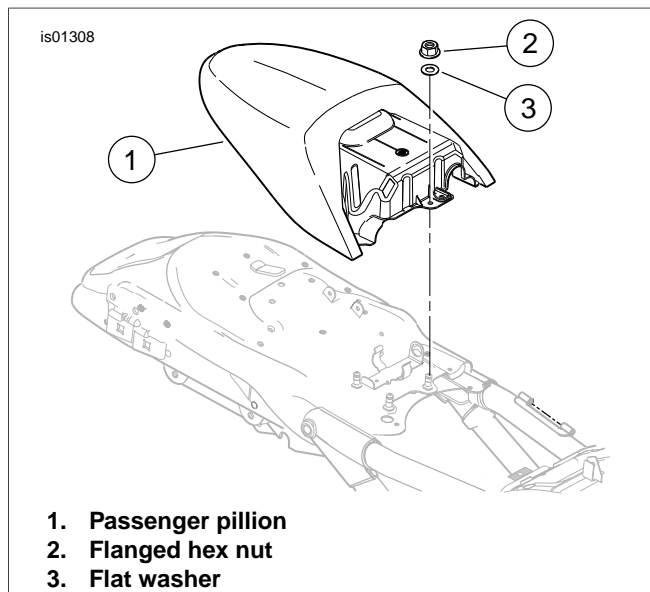


Figure 5. Remove Pillion (VRSCR Models)

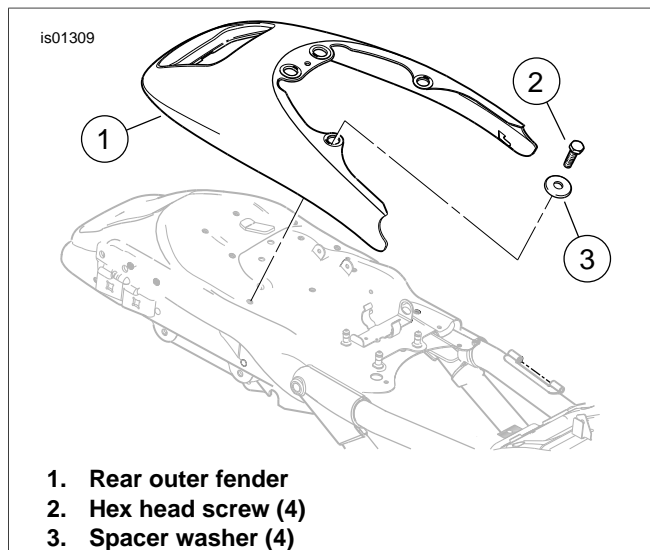


Figure 6. Fender Mounting Fasteners (VRSCR Models)

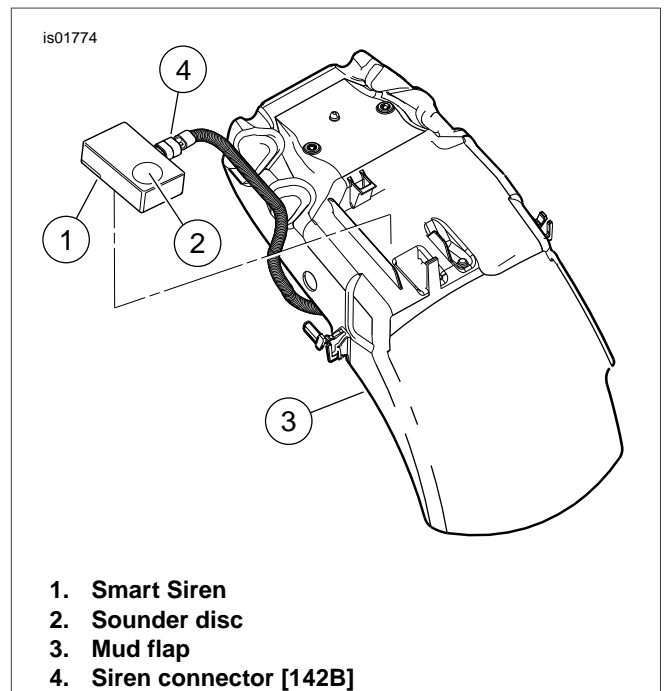


Figure 7. Unclip Siren Box (VRSCR Models)

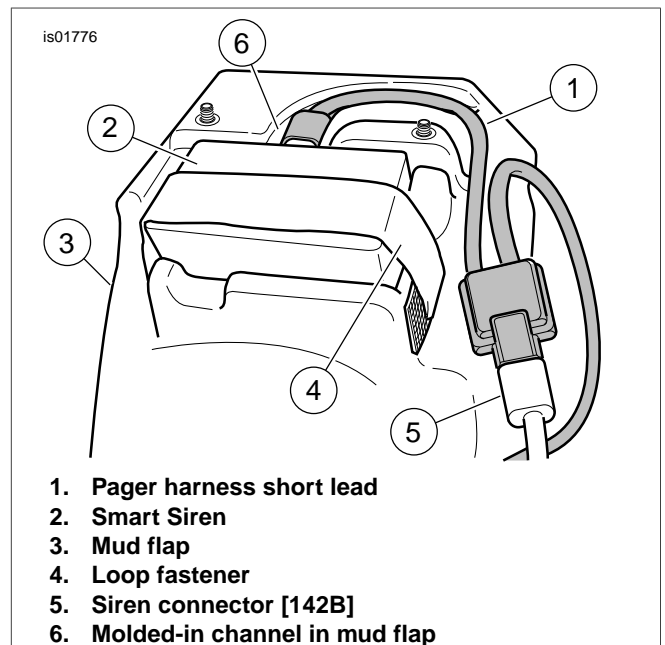


Figure 8. Connect the Pager Harness (VRSCA/B/D Shown)

7. **ALL models:** See Figure 8. Connect the short lead (1) of the pager harness to the siren (2) receptacle until the connector latches securely.
8. **For VRSCA/B/D models,** With the sounder disc facing the mud flap, install the siren on the mud flap (3), fitting the pager harness short lead into the molded-in channel (6) in the mud flap, and secure with the loop fastener (4).  
**For VRSCR models,** With the sounder disc facing **outward**, clip the siren onto the mud flap.
9. **ALL models:** Connect the siren harness connector [142B] (5) to the large connector on the pager harness.
10. **For VRSCA/B/D models:** Re-install the mud flap to the underside of the fender. Install and tighten the mud flap

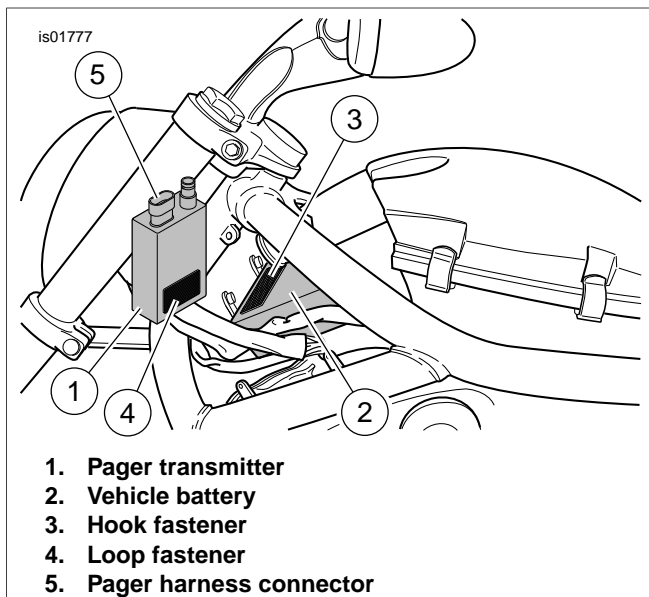
nuts to 8-12 Nm (70.8-106.2 **in-lbs**). Remove the fuel cap. Re-install the fuel filler boot. Re-install the fuel cap. Proceed to Step 13.

**For VRSCR models:** Install the rear outer fender by sliding the tabs on the front of the fender into the slots on the inner fender locking tabs.

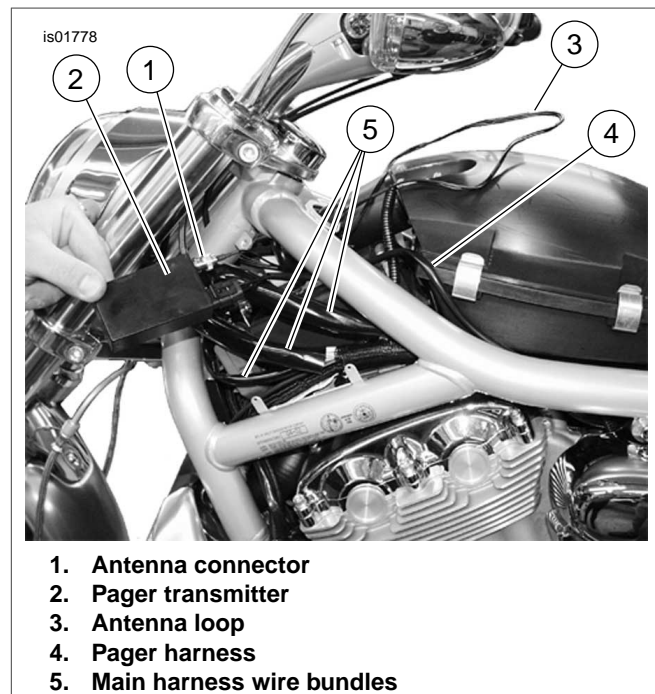
**NOTE**

*Ensure that the outer fender tabs are latched with the inner fender locking tabs.*

11. Press down gently on the outer fender to seat the fender against the frame.
12. Install the four screws and flat washers that retain the rear outer fender, and tighten to 4.5-7.5 Nm (40-66 **in-lbs**).
13. **ALL models:** See Figure 9. Clean the mounting surfaces of the pager transmitter (1) and the vehicle battery (2) using alcohol or other suitable cleaner.
14. Apply the hook fastener (3) from the kit to the lower edge of the vehicle battery case as shown.
15. Apply the loop fastener (4) to the pager transmitter (1). Position the fastener so that when the transmitter is installed on the battery, the pager harness connector (5) is positioned nearest to the left frame tube.



**Figure 9. Apply Fasteners to Battery and Pager**



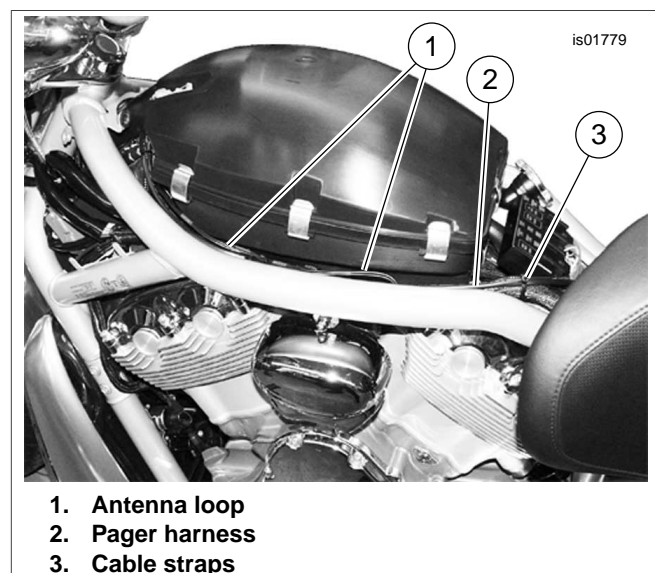
**Figure 10. Connect Antenna and Harness to Pager Transmitter**

16. See Figure 10. Connect the antenna connector (1) to the pager transmitter (2). Route the antenna loop (3) under the frame tube.
17. Route the pager harness (4) under the frame tube, and connect the harness to the pager transmitter (2).

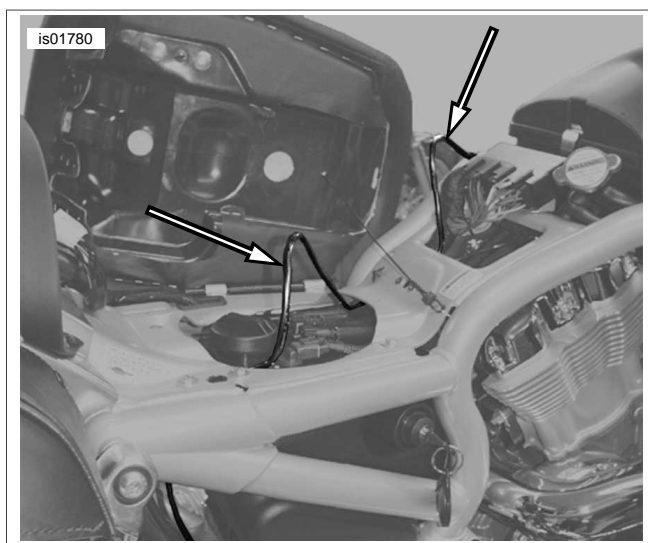
**NOTE**

*It may be necessary to push some of the main harness wire bundles (5) aside to gain clearance when installing the pager transmitter.*

18. Install the pager transmitter (2) onto the battery.
19. See Figure 11. Route the antenna loop (1) along the left frame tube.



**Figure 11. Secure the Pager Harness and Antenna to the Frame Tube**



**Figure 12. Pull Slack from Pager Harness**

20. See Figure 12. Working at the fuel tank opening in the frame, pull back the excess slack in the pager harness and bundle using cable straps from the kit as needed.
21. See Figure 11. Secure the antenna loop (1) and pager harness (2) to the main wiring harness using cable straps (3).

## ⚠ WARNING

When servicing the fuel system, do not smoke or allow open flame or sparks in the vicinity. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00330a)

22. Remove the fuel cap, and re-install the fuel filler boot removed earlier. Re-install the fuel cap.

## CAUTION

When closing the seat, make sure the ignition switch is in the FUEL position. If the ignition switch is in any other position when the seat is closed, the seat latch mechanism could be damaged. (00196a)

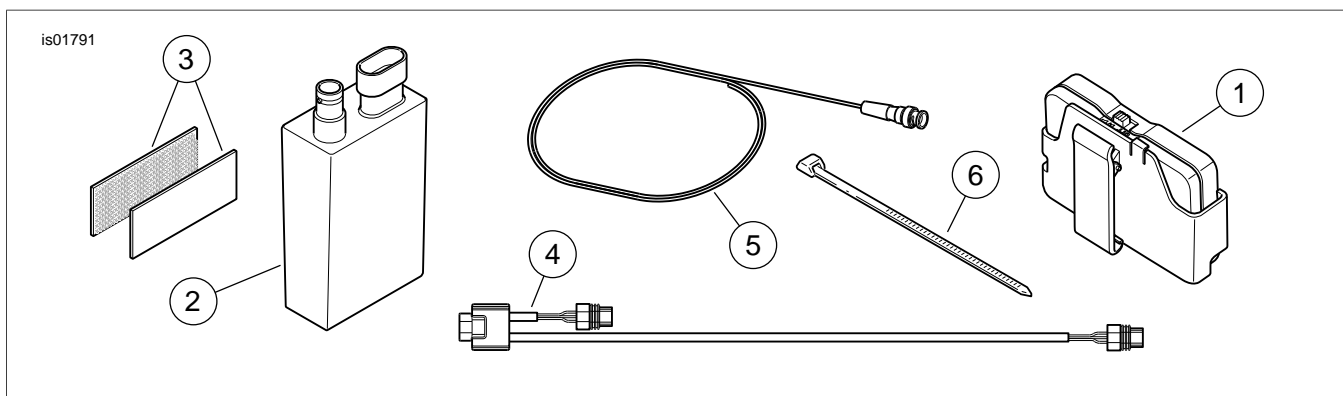
23. Refer to the Owner's Manual and follow the instructions given to close the seat.

## ⚠ WARNING

After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070b)

24. Refer to MAXI-FUSE in the Service Manual, and follow the instructions given to re-install the maxi-fuse and right-side cover.
25. Install the left-side cover. Refer to AIRBOX AND AIR FILTER in the Service Manual, and follow the instructions given to re-install the airbox cover.

## SERVICE PARTS



**Figure 13. Service Parts, Kit 91664-03**

**Table 1. Service Parts Table**

Item	Description (Quantity)	Part Number
1	Receiver, security system pager	91660-03
2	Transmitter, security system pager	Not Sold Separately
3	Hook-and-loop fastener set, 8-1/2 in. x 3/4-1 in. (216 x 19-25 mm)	53170-89
4	Harness, pager	Not Sold Separately
5	Antenna, pager	Not Sold Separately
6	Cable strap (7)	Not Sold Separately
7	Operator's Manual, pager	Not Sold Separately